



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

UMAÑA *et al.*

Appl. No.: 10/633,699

Filed: August 5, 2003

For: **Glycosylation Engineering of
Antibodies for Improving
Antibody-Dependent Cellular
Cytotoxicity**

Confirmation No.: 5489

Art Unit: 1636

Examiner: Riggins, Patrick S.

Atty. Docket: 1975.0010004/TJS/T-M

First Supplemental Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this First Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Information Disclosure Statement filed on October 13, 2004 in connection with the above-captioned application.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates

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should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

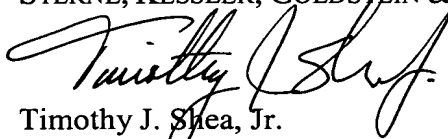
This This First Supplemental Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$180.00 in payment of the fee under 37 C.F.R. § 1.17(p).

Copies of documents AT50, AR51 and AS51 are submitted. It is respectfully requested that the Examiner initial and return a copy of the enclosed Form PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

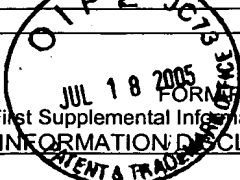


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Date: July 17, 2005

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	ATTY. DOCKET NO. 1975.0010004/TJS/T-M	APPLICATION NO. 10/633,699
	FIRST NAMED INVENTOR UMAÑA <i>et al.</i>	
	FILING DATE August 5, 2003	ART UNIT 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	
	AS	
	AT50	Rothman, R. J. <i>et al.</i> , "Clonal Analysis of the Glycosylation of Immunoglobulin G Secreted by Murine Hybridomas." <i>Biochemistry</i> 28:1377-1384. American Chemical Society, Washington, D.C. (1989).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449
First Supplemental Information Disclosure Statement
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
1975.0010004/TJS/T-M

APPLICATION NO.
10/633,699

FIRST NAMED INVENTOR
UMAÑA *et al.*

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR51	Rothman, R. J. <i>et al.</i> , "Antibody-Dependent Cytotoxicity Mediated by Natural Killer Cells Is Enhanced by Castanospermine-Induced Alterations of IgG Glycosylation," <i>Mol. Immunol.</i> 26:1113-1123, Pergamon Press, Elmsford, NY (1989).
	AS51	Wright, A., and Morrison, S. L., "Effect of Altered C _H 2-associated Carbohydrate Structure on the Functional Properties and In Vivo Fate of Chimeric Mouse-Human Immunoglobulin G1," <i>J. Exp. Med.</i> 180:1087-1096, The Rockefeller University Press, New York, NY (1994).
	AT	

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.